



(12)

(88) Date of publication A3:

(51) Int Cl 7: **H04I 12/24**

(43) Date of publication A2:

(21) Application number: 02293094.5

(22) Date of filing: 13.12.2002

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
IE IT LI LU MC NL PT SE SI SK TR
Designated Extension States:
AL LT LV MK RO

- **Popescu, Eniko**
Ottawa, Ontario K2K 2S4 (CA)
- **Bolder, Ronald Scott**
Nepean, Ontario K2J 4C7 (CA)
- **Timmerman, Craig Ellirt**
Ottawa, Ontario K1Y 1J3 (CA)

(30) Priority: 19.12.2001 US 21505

(71) Applicant: Alcatel Canada Inc.
Kanata, Ontario K2K 2E6 (CA)

(72) Inventors:
• Kirk, Cindy
Ottawa, Ontario K1S 2P6 (CA)

(74) Representative: Feray, Valérie et al
Feray Lenne Conseil
44/52, Rue de la Justice
75020 Paris (FR)

(54) Management of OSI layer-3 data network entities

(57) An improved network management system and novel management solutions are provided for OSI Layer-3 data network managed entities such as data transport paths and routers are provided. The management solution provides for a concise and progressively detailed presentation of connectivity information related to OSI Layer-3 data network entities to expose OSI Layer-

2 and -1 provisioning equipment. Methods are provided for zeroing onto failed equipment using the progressively detailed presentation of connectivity information. Methods are further provided for interaction with OSI Layer-3 managed data transport entities to specify operating parameters. The advantages derived include an improved efficiency in the management, and troubleshooting thereof.

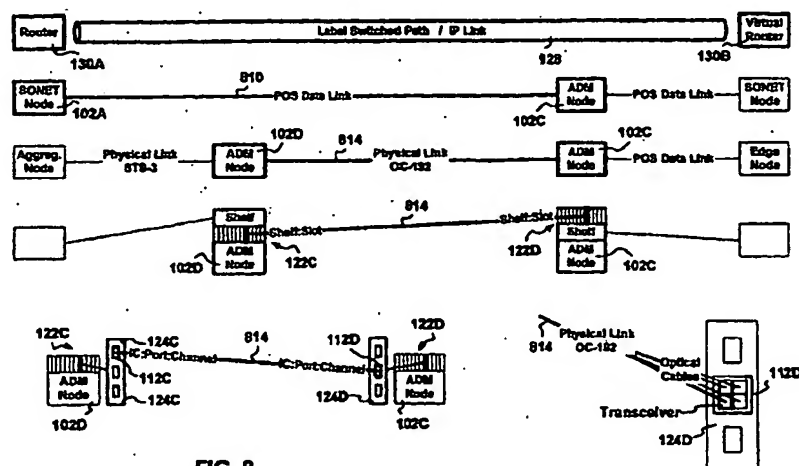


FIG. 8



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 02 29 3094

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 6 115 393 A (ENGEL FERDINAND ET AL) 5 September 2000 (2000-09-05) * column 1, line 19 - line 20; figures 18,19 * * column 2, line 42 - line 62 * * column 25, line 41 - line 47 * * column 26, line 22 - line 29 * -----	1-12	H04L12/24
			TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 October 2003	Examiner Bermudez, M.D.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 150 (04.02.02) (PUBO01)

